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3	Attorney Docket Number	LEX-0182-USA] ွ
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·		THIS		U.S. PATENT DOCUMEN	TS		
Examiner Initials*	Cite No.1	U.S. Patent D	Kind Code ²	Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	800
mile	AA	4,190,496		Rubenstein et al	02/26/80		
1	AB	4,215,051		Schroeder et al	07/29/80		
	AC	4,376,110		David et al	03/08/83		
	AD	4,594,595		Struckman	06/10/86		
	AE	4,631,211		Houghten	12/23/86		
	AF	4,683,202		Mullis	07/28/87		
	AG	4,689,405		Frank et al	08/25/87		
	АН	4,713,326		Dattagupta et al	12/15/87		
	Al	4,873,191		Wagner et al	10/10/89		
	AJ	4,946,778		Ladner et al	08/07/90		
	AK	5,075,217		Weber	12/24/91		
	AL	5,252,743		Barrett et al	10/12/93		
	AM	5,364,759		Caskey et al.	11/15/94		
	AN	5,399,346		Anderson et al	03/21/95		
Î	AO	5,424,186		Fodor et al	06/13/95		
	AP	5,445,934		Fodor et al	08/29/95		
	AQ	5,459,127		Felgner et al	10/17/95		
	AR	5,556,752		Lockhart et al	09/17/96		
1	AS	5,625,048		Tsien et al	04/29/97		
	AT	5,700,637		Southern	12/23/97		
	AU	5,702,902		Tartaglia	12/30/97		
	AV	5,741,666		Tartaglia	04/21/98		
	AW	5,744,305		Fodor et al	04/28/98		
	AX	5,780,280		Lebkowski et al	07/14/98		
	AY	5,824,544		Armentano et al	10/20/98		
	AZ	5,827,703		Debs et al	10/27/98		
	ВА	5,830,721		Stemmer et al	11/03/98		
	вв	5,830,727		Wang et al	11/03/98		
	BC	5,837,458		Minshull et al	11/17/98		-
	BD	5,840,710		Lee et al	11/24/98		
	BE	5,843,742		Natsoulis et al	12/1/98	· - :- ·	
	BF	5,846,528		Podsakoff et al	12/8/98		
	BG	5,853,975		Tartaglia	12/29/98		
	вн	5,858,740		Finer et al	01/12/99		
	ВІ	5,877,397		Lonberg et al	03/02/99		
	BJ	5,948,767		Scheule et al.	09/07/99		
$\sqcup \!\!\! \perp$	вк	6,075,181		Kucherlapati et al	06/13/00		
	BL	6,110,490		Thierry	08/29/00		
myol	ВМ	6,150,584		Kucherlapati et al.	11/21/00		

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Substitute for form 1449B/PTO Complete if Known 09/870,113 INFORMATION DISCLOSURE STATEMENT BY APPLICANT **Application Number** May 30, 2001 Filing Dat Turner **First Named Inventor** Group Art Unit 1633 y sheets as necessary) Not Yet Assigned **Examiner Name** 3 LEX-0182-USA **Attorney Docket Number**

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		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	\vdash			
Examiner Initials*	Cite No.1	No.1 item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
WIN BN		Askew et al, 1989, "Molecular Recognition with Convergent Functional Groups, Synthetic and Structural Studies with a Model Receptor for Nucleic Acid Components", J. Am. Chem. Soc. 111:1082-1090.				
	во	rd et al, 1988, "Single-Chain Antigen-Binding Proteins", Science 242:423-426.				
	BP	Bitter et al, 1987, "Expression and Secretion Vectors for Yeast", Methods in Enzymology 153:516-544.				
	BQ	Butler, 1981, "The Amplified ELISA: Principles of and Applications for the Comparative Quantitation of Class and Subclass Antibodies and the Distribution of Antibodies and Antigens in Biochemical Separates", Methods in Enzymology 73:482-523.				
	BR	Colbere-Garapin et al, 1981, "A New Dominant Hybrid Selective Marker for Higher Eukaryotic Cells", J. Mol. Biol. 150:1-14.				
	BS	Gautier et al, 1987, "α-DNA IV:α-anomeric and β-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physiochemical properties and poly (rA) binding", Nucleic Acids Research 15(16):6625-6641.				
	ВТ	Gordon, 1989, "Transgenic Animals", International Review of Cytology, 115:171-229.				
	BU	Greenspan et al, 1993, "Idiotypes: structure and immunogenicity", FASEB Journal 7:437-444.				
	BV	Gu et al, 1994, "Deletion of a DNA Polymerase β Gene Segment in T Cells Using Cell Type-Specific Gene Targeting", Science 265:103-106.				
	BW	Houghten et al, 1991, "Generation and use of synthetic peptide combinatorial libraries for basic research and drug discovery", Nature 354:84-86.				
	вх	Huse et al, 1989, "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda", Science 246:1275-1281.				
	BY	Huston et al, 1988, "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli", Proc. Natl. Acad. Sci. USA 85:5879-5883.				
	BZ	Inoue et al, 1987, "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and R Nase H", FEBS Letters 215(2):327-330.				
	CA	Inoue et al, 1987, "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", Nucleic Acids Research 15(15):6131-6149.				
	СВ	Inouye & Inouye, 1985, "Up-promoter mutations in the lpp gene of Escherichia coli", Nucleic Acids Research 13(9):3101-3110.				
	СС	Janknecht et al, 1991, "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus", PNAS 88:8972-8976.				
	CD	Kohler & Milstein, 1975, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256:495-497.				
	CE	Lakso et al, 1992, "Targeted oncogene activation by site-specific recombination in transgenic mice", Proc. Natl. Acad. Sci. USA 89:6232-6236.				
	CF	Lam et al, 1991, "A new type of synthetic peptide library for identifying ligand-binding activity", Nature 354:82-86.				
	CG	Lavitrano et al, 1989, "Sperm Cells ad Vectors for Introducing Froeign DNA into Eggs: Genetic Transformation of Mice", Cell 57:717-723.				
	СН	Lewis et al, 1989, "Automated site-directed drug design: the formation of molecular templates in primary structure generation", Proc. R. Soc. Lond. B 236:141-162.				
	CI	Lo, 1983, "Transformation by lontophoretic Microinjection of DNA: Multiple Integrations without Tandem Insertions", Mol. Cell. Biology 3(10):1803-1814.	&			
	C1	Logan et al, 1984, "Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection", Proc. Natl. Acad. Sci. USA 81:3655-3659.				
4,	СК	Lowy et al, 1980, "Isolation of Transforming DNA: Cloning the Hamster aprt Gene", Cell 22:817-823.				
mind	CL	McKinlay et al, 1989, "Rational Design of Antiviral Agents", Annu. Rev. Pharmacol. Toxicol. 29:111-122.				

Approved for use through 10/31/99. OMB 0651-0031
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			Group Art Unit	1633	
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	/	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	_		
Examiner Initials*	Cite No.1	Plude name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the its (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
heres	СМ	1986, "Expression of murine and human granulocyte-macrophage colony-stimulating factors in <i>S. cerevisiae:</i> mutagenesis of the potential glycosylation sites", The EMBO Journal 5(6):1193-1197.			
	CN	Morrison et al, 1984, "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains", Proc. Natl. Acad. Sci. USA 81:6851-6855.			
	со	Mulligan & Berg, 1981, "Selection for animal cells that express the Escherichia coli gene coding for xanthine-guanine phosphoribosyltransferase", Proc. Natl. Acad. Sci. USA 78(4):2072-2076.			
	СР	Neuberger et al, 1984, "Recombinant antibodies possessing novel effector functions", Nature 312:604-608.			
	ca	Nisonoff, 1991, "Idiotypes: Concepts and Applications", J. of Immunology 147:2429-2438.			
	CR	O'Hare et al, 1981, "Transformation of mouse fibroblasts to methotrexate resistance by a recombinant plasmid expressing a prokaryotic dihydrofolate reductase", Proc. Natl. Acad. Sci. USA 78(3):1527-1531.			
	cs	Ripka, 1988, "Computers picture the perfect drug", New Scientist 16:54-57.			
	СТ	Ruther et al, 1983, "Easy identification of cDNA clones", EMBO Journal 2(10):1791-1794.			
	CU	Santerre et al, 1984, "Expression of prokaryotic genes for hygromycin B and G418 resistance as dominant-selection markers in mouse L cells", Gene 30:147-156.			
	CV	Sarin et al, 1988, "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", Proc. Natl. Acad. Sci. USA 85:7448-7451.			
	cw	Smith et al, 1983, "Molecular Engineering of the Autographa californica Nuclear Polyhedrosis Virus Genome: Deletion Mutations within the Polyhedrin Gene", J. Virol. 46(2):584-593.			
	СХ	Songyang et al, 1993, "SH2 Domains Recognize Specific Phosphopeptide Sequences", Cell 72:767-778.			
	CY	Stein et al, 1988, "Physiochemical properties of phosphorothioate oligodeoxynucleotides", Nucleic Acids Research 16(8):3209-3221.			
	cz	Szybalska & Szybalski, 1962, "Genetics of Human Cell Lines, IV. DNA-Mediated Heritable Transformation of a Biochemical Trait", Proc. Natl. Acad. Sci. USA 48:2026-2034.			
	DA	Takeda et al, 1985, "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences", Nature 314:452-454.			
	DB	Thompson et al, 1989, "Germ Line Transmission and Expression of a Corrected HPRT Gene Produced by Gene Targetin Embryonic Stem Cells", Cell 56:313-321.	g		
	DC	Van Der Putten et al, 1985, "Efficient insertion of genes into the mouse germ line via retroviral vectors", Proc. Natl. Acad. Sci. USA 82:6148-6152.			
	DD	Van Heeke et al, 1989, "Expression of Human Asparagine Synthetase in Escherichia coli", J. Biol. Chemistry 264(10):5503-5509.			
	DE	Voller et al, 1978, "Enzyme immunoassays with special reference to ELISA techniques", J. Clinical Pathology 31:507-520			
ı	DF	Ward et al, 1989, "Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli", Nature 341:544-546.			
4	DG	Wigler et al, 1977, "Transfer of Purified Herpes Virus Thymidine Kinase Gene to Cultured Mouse Cells", Cell 11:223-232			
huy	DH	Wigler et al, 1980, "Transformation of mammalian cells with an amplifiable dominant-acting gene", Proc. Natl. Acad. Sci. USA 77(6):3567-3570.			

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Examiner Signature	mug	Date Considered	2/3/03

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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